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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-8-1
Relating to Approval of New Motor Vehicles

BAYERISCHE MOTOREN WERKE AG.

Pursuant to the authority vested in the Air Resources Board by Sections 39150 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 of the Health and Safety Code;

IT IS ORDERED AND RESOLVED: That Bayerische Motoren Werke Ag. exhaust emission control systems for 1974 model year light-duty motor vehicles are approved for the engine families described below:

<u>Engine Family</u>	<u>CID</u>	<u>Exhaust System</u>	<u>Vehicle Models</u>
BMW 130	182	Engine Modifications and Exhaust Gas Recirculation	BMW Bavaria, BMW 3.0S and BMW 3.0CS
BMW 121	121.3	Engine Modifications and Exhaust Gas Recirculation	BMW 2002
BMW 121FI	121.3	Fuel Injection	BMW 2002tii

Section 39152, Part I, Division 26 of the California Health and Safety Code requires that a decal be affixed to the side window which discloses the highest emissions from the certification fleet for that vehicle for which approval has been granted by the Board.

The following are the recommended values to be listed on the decal:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
BMW 130	2.7	36	2.0
BMW 121	2.6	17	2.0
BMW 121FI	2.7	18	1.7

According to the California Assembly-Line Test Procedure for 1974 Model Light-Duty Gasoline Powered Vehicles, these values shall be in effect during the first calendar quarter of model production and not to exceed 30 days thereafter. Not more than one month after the first and each succeeding calendar quarter of production, the exhaust emissions shown on the window decal shall be the average quality audit values for the engine family of the previous calendar quarter of production.

Section B3 of the above procedure requires the manufacturer to submit to the Executive Officer before the start of the model-year, a list of the engine components and control systems affecting emissions to be functionally checked and the procedure for performing these checks.

In accordance with Section III E. of the California Exhaust Emission Standards and Test Procedures for 1973 through 1976 Models Gasoline-Powered Light-Duty Motor Vehicles, the manufacturer is required to inform the Air Resources Board of any production changes which will affect emissions.

Supplemental information sheets are attached to this order which include tune-up specifications and emission control system data.

The Department of Motor Vehicles, the California Highway Patrol and the Bureau of Automotive Repair of the Department of Consumer Affairs will be notified of this approval by copy of this order and attachment.

Executed at Sacramento, California, this ____ day of November, 1973.

JOHN A. MAGA
Executive Officer

**AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1974 Model-Year
Light Duty Vehicles**

EXECUTIVE ORDER A-8-1

MANUFACTURER: BAYERISCHE MOTOREN WERKE AG.

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans- mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle CO or AFR
BMW, Bavaria BMW 3.0S BMW 3.0CS	182	2 - 2V	M-4 A-3	BMW 130	3,500	900-1,000 RPM in Neutral	22° BTDC @ 1700 RPM in Neutral	Lean best idle max. 2% CO
BMW 2002	121.3	1 - 2V	M-4 A-3	BMW 121	2,750	900 + 50 RPM in Neutral	25° BTDC @ 1500 RPM in Neutral - with distribu- tor vacuum line plugged	Lean Best Idle max. 1.2% CO
BMW 2002t11	121.3	Fuel Injection	M-4	BMW 121 FI	2,750	850 - 1,000 RPM in Neutral	25° BTDC @ 2700 RPM in Neutral, Warm engine.	Lean Best Idle. max. 1.5% CO

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Model	Engine C.I.D. No. of Venturi	Trans- mission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control System			
						Exhaust	NOx	Evap.	Other
BMW Bavaria BMW 3.0S BMW 3.0CS	182 2 - 2V	M-4	BOSCHE 0231 162 002 with speed control P/N 1353646	C, V & VR	ZENITH 35/40 INAT P/N 1 259 612	EM	EGR	Tank Storage	
		A-3			ZENITH 35/40 INAT P/N 1 259 613				
BMW 2002	121.3 1 - 2V	M-4 A-3	BOSCHE 0231 180 008 P/N 1354611.3	C & VR	SOLEX 32132 DIDTA P/N 1259763.1				
BMW 2002tii	121.3 Fuel Injection	M-4	BOSCHE 0231 180 013 with speed control P/N 1355273	C & VR	KUGELFISCHER PL 04	FI			

EM = Engine Modification
EGR = Exhaust Gas Recirculation
FI = Fuel Injection

* C - Centrifugal
V - Vacuum
VR - Vacuum retard

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